



Veterinary & Animal Science

Agriculture, Food, & Natural Resources

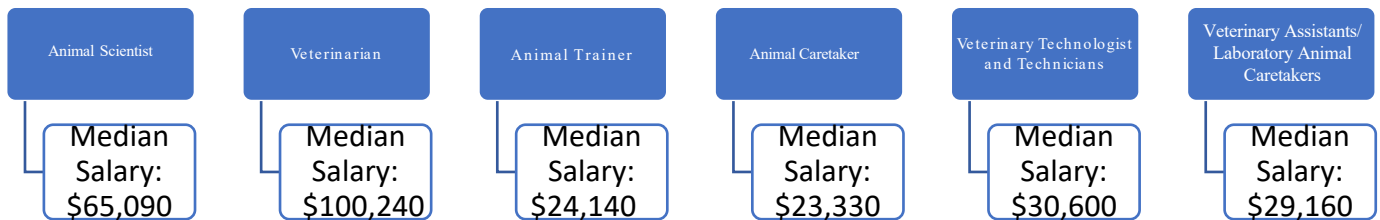
JOB OUTLOOK

Overall employment of agricultural and food scientists is projected to grow 8 percent from 2021 to 2031, faster than the average for all occupations. About 4,100 openings for agricultural and food scientists are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire. Employment of veterinarians is projected to grow 19 percent from 2021 to 2031, much faster than the average for all occupations. About 4,800 openings for veterinarians are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.



OCCUPATION PROFILE

Veterinary and Animal Science care for the health of animals and work to protect public health. Diagnose, treat, or research diseases and injuries of animals. Includes veterinarians who conduct research and development, inspect livestock, or care for pets and companion animals. Most veterinarians work in private clinics and hospitals. Others travel to farms or work in settings such as laboratories, classrooms, or zoos.



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Memphis-Shelby County Schools



ROAD MAP TO SUCCESS

PROGRAM OF STUDY PROFILE

Veterinary and Animal Science is designed to prepare students to further their education for rewarding careers related to both companion and farm animals. This program of study provides rigorous technical skills, academic knowledge, higher-order reasoning, problem-solving skills, work attitudes, and employment skills. Course content covers such topics as principles of health and disease, basic animal care and nursing, clinical and laboratory procedures, and the anatomical/physiological systems of a range of small and large animals. Upon completion of this program of study, students will be prepared to pursue further study in the veterinary and animal sciences at the postsecondary level or to seek gainful employment.

CAREER PATHWAY

SECONDARY EDUCATION

- * Agriscience
- * Small Animal Science
- * Large Animal Science
- * Veterinary Science

CERTIFICATION

- * Agriculture Applications
- * Horticulture
- * Landscape Management

ASSOCIATES

- * A.S. Plant Science
- * A.S. Plant/Soil Science
- * A.S. Production Horticulture

BACHELORS:

- * B.S. Horticulture
- * B.S. Plant Science

MSCS PARTICIPATING SCHOOLS: Bolton HS

LOCAL EMPLOYERS: IDEXX Laboratories, PetVet Care Centers, Shelby Center Hospital for Animals, Trupanion, Vetco Clinics